

# Biostat\_projet

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```
mort <- read.csv("mortDK.csv", header = TRUE, sep = ";")
mort <- mort %>% rename("taux.deces" = rt,
                         "Infections" = r1,
                         "Cancer" = r2,
                         "Tumeurs.Bénignes" = r3,
                         "Endocrine" = r4,
                         "Maladies.Sang" = r5,
                         "Systeme.Nerveux" = r6,
                         "Cerebrovasculaire" = r7,
                         "Cardiaque" = r8,
                         "Maladies.Respiratives" = r9,
                         "Maladies.Foie" = r10,
                         "Maladies.Digestives" = r11,
                         "Maladie.Génito-urinaire" = r12,
                         "Non.Definis" = r13,
                         "Mort.Naturelle" = r14,
                         "Mort.Violente" = r15) %>%
  select(-i...)
mort$sex <- mort$sex %>% factor( labels = c("H", "F"))

summary(mort)

##      age      periode     sex       PA      nb.deces
##  Min.   : 0   Min.   :43.0   H:910   Min.   : 2750   Min.   : 13.0
##  1st Qu.:22  1st Qu.:53.0   F:910   1st Qu.: 89820  1st Qu.: 155.0
##  Median :45  Median :65.5          Median :140311  Median : 545.5
##  Mean   :45  Mean   :65.5          Mean   :126108  Mean   : 1288.2
##  3rd Qu.:68  3rd Qu.:78.0          3rd Qu.:161190  3rd Qu.: 2216.2
##  Max.   :90  Max.   :88.0          Max.   :224654  Max.   :16143.0
##      taux.deces      Infections      Cancer      Tumeurs.Bénignes
##  Min.   : 0.1250   Min.   :0.0000   Min.   : 0.010   Min.   :0.0000
##  1st Qu.: 0.9602   1st Qu.:0.0160   1st Qu.: 0.114   1st Qu.:0.0080
##  Median : 3.7620   Median :0.0855   Median : 1.089   Median :0.0345
##  Mean   : 31.5585  Mean   :0.2249   Mean   : 5.303   Mean   :0.1886
##  3rd Qu.: 29.2005 3rd Qu.:0.3080   3rd Qu.: 8.064   3rd Qu.:0.2032
##  Max.   :386.0400  Max.   :3.4940   Max.   :34.902   Max.   :2.8850
##      Endocrine      Maladies.Sang    Systeme.Nerveux    Cerebrovasculaire
##  Min.   :0.0000   Min.   :0.000   Min.   : 0.000   Min.   : 0.000
##  1st Qu.:0.0140   1st Qu.:0.000   1st Qu.: 0.037   1st Qu.: 0.011
##  Median :0.0710   Median :0.012   Median : 0.113   Median : 0.118
##  Mean   :0.3615   Mean   :0.101   Mean   : 1.143   Mean   : 3.866
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## 3rd Qu.: 0.4665   3rd Qu.: 0.065   3rd Qu.: 0.411   3rd Qu.: 2.533
## Max.    : 3.6330   Max.    : 2.299   Max.    :118.890   Max.    :52.136
## Cardiaque      Maladies.Respiratpires Maladies.Foie      Maladies.Digestives
## Min.     : 0.0000   Min.     : 0.0000   Min.     :0.0000   Min.     :0.0000
## 1st Qu.: 0.0340   1st Qu.: 0.0220   1st Qu.:0.0060   1st Qu.:0.0130
## Median   : 0.5305   Median  : 0.1165   Median  :0.1100   Median  :0.0865
## Mean     : 13.2173  Mean    : 2.4315   Mean    :0.4175   Mean    :0.6074
## 3rd Qu.: 10.7007  3rd Qu.: 1.5092   3rd Qu.:0.5677   3rd Qu.:0.6130
## Max.     :164.3500  Max.    :42.0310   Max.    :4.6050   Max.    :7.5020
## Maladie.Génito-urinaire Non.Definis      Mort.Naturelle      Mort.Violente
## Min.     : 0.0000   Min.     : 0.0000   Min.     :0.0000   Min.     : 0.0220
## 1st Qu.: 0.0130   1st Qu.: 0.0100   1st Qu.:0.0290   1st Qu.: 0.3018
## Median   : 0.0860   Median  : 0.0660   Median  :0.0625   Median  : 0.7060
## Mean     : 1.0289   Mean    : 0.8154   Mean    :0.3209   Mean    : 1.5314
## 3rd Qu.: 0.6138   3rd Qu.: 0.5503   3rd Qu.:0.1735   3rd Qu.: 1.2528
## Max.     :23.9850   Max.    :27.2030   Max.    :50.2120   Max.    :23.4940

```

```
head(mort)
```

```

##   age periode sex      PA nb.deces taux.deces Infections Cancer Tumeurs.Bénignes
## 1   0      43   H 224654    12072    53.736    3.494  0.098      0.085
## 2   0      43   F 212730    8688     40.841    2.994  0.061      0.056
## 3   0      48   H 202692    7035     34.708    1.692  0.074      0.039
## 4   0      48   F 192602    5001     25.965    1.516  0.078      0.067
## 5   0      53   H 193164    5797     30.011    0.601  0.119      0.036
## 6   0      53   F 182400    3991     21.880    0.450  0.088      0.044
##   Endocrine Maladies.Sang Systeme.Nerveux Cerebrovasculaire Cardiaque
## 1     0.347      0.089      1.282      0.013  0.036
## 2     0.259      0.127      1.011      0.009  0.033
## 3     0.222      0.074      0.834      0.015  0.049
## 4     0.119      0.036      0.597      0.021  0.026
## 5     0.140      0.026      0.766      0.047  0.047
## 6     0.088      0.016      0.488      0.000  0.055
##   Maladies.Respiratpires Maladies.Foie Maladies.Digestives
## 1           10.826      0.027      5.092
## 2           8.739      0.038      3.685
## 3           6.276      0.054      1.919
## 4           4.875      0.042      1.231
## 5           3.018      0.031      1.066
## 6           2.489      0.033      0.691
##   Maladie.Génito-urinaire Non.Definis Mort.Naturelle Mort.Violente
## 1           0.125      1.340     29.962      0.921
## 2           0.132      1.020     21.976      0.700
## 3           0.049      0.745     21.718      0.947
## 4           0.062      0.633     15.919      0.742
## 5           0.031      0.564     22.810      0.709
## 6           0.027      0.378     16.541      0.493

```